

**Product Name :**  
Potentiometer Displacement Transducer Trainer

**Product Code :**  
NLAB-ELECTRONICSAB110009



**Description :**

Potentiometer Displacement Transducer Trainer

**Technical Specification :**

**SCOPE OF LEARNING:**

Study of Linear Displacement Measurement Using Resistive Potentiometer

Study of Angular Displacement Measurement Using Resistive Potentiometer

**TECHNICAL SPECIFICATIONS:**

**Power Supplies:**

DC Dual Power Supply IC Regulated +12V DC, 150mA.

DC Power Supply IC Regulated +5V DC, 150mA.

Operated on Mains power 230V, 50Hz +10%

**Digital Meters:**

Voltmeter 200mV (Distance in mV)

Components are mounted on the panels are:

Resistors

Capacitors

IC 741

Variable Resistor For Gain and Zero Setting

Differential Amplifier With Feedback

Lead Compensation System

O/P Provided On Test Points for Monitoring & Controlling.

Linear Potentiometer as Sensor mounted on board with scale printed on board.

Slide potentiometers

Sensor Type : Potentiometric

Type: Carbon

Linear displacement : 0 to 25mm

Micrometer Scale : 25 mm

Micrometer Least count : 0.01 mm

Input Terminals: 3

Ohm: 10K Ohm

Rotary Potentiometer as Sensor mounted on board with scale printed on board.

Precision Servo – Potentiometer

Sensor Type : Servo Potentiometric

Type: Carbon

Linear displacement : 0 to 360 Degree

Input Terminals: 3

Ohm: 10K Ohm

**SALIENT FEATURES:**

Front panel built with high class insulated Printed Circuit Board sheet with well printed circuits and symbols.

Instruction manual.

Connections are brought out through 2mm Colored Sockets.

Patch Cords 2mm.

The trainer is housed in ABS Plastic cabinet.

Size of the trainer set 12"x8"

## Naugralabequipments

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